



Catalyst Crushing Strength Tester CrushSense series

They are widely used in the chemical, pharmaceutical, and petroleum industries for determining the crushing strength of rigid materials such as catalysts, alumina, molecular sieves, fertilizers, activated carbon, and adsorbents.



Key Features

- Highly accurate and easy to operate
- Displaying and storing the breaking force value of each sample
- User friendly & easy to clean

Specifications

Model	CrushSense 500
Standards	ASTM D6175 & ASTM D4179
Maximum force value load	500 N
Loading speed	10 N/s
Maximum sample height	1-25 mm
Relative error	±0.5 %
Display resolution	0.1 N
Maximum data storage	2,000 individual samples
Printer width	58 mm
Measure length range	0-0.15 cm
Measure length accuracy	1 %
Operating modes	0- Calibration Mode, 1- Crushing Force Test, 2- Radial Crushing Force Test for Strip Samples (requires a length measuring instrument), 3- Axial Crushing Force Test for Cylindrical Samples (requires a length measuring instrument), 4- Compaction Test
Outlier Handling	Outlier handling can be configured, providing three removal methods: 0 - No removal; 1 - Remove one maximum and one minimum value; 2 - Remove two maximum and two minimum values.
Low Strength Value Setting	Allows setting a lower limit for acceptable performance (low strength value), automatically calculating the proportion of low strength.
Calculation Functions and Display Settings	This function can calculate the mean strength, standard deviation, coefficient of variation, and percentage of low strength. Two display modes are available to suit different needs: 1—Display all (raw data and calculation results); 2—Display only the calculation results.
Overall Dimensions and Weight	340 mm * 220 mm * 480 mm (length * width * height) · Net weight: 28 Kg
Working Power Supply	220 V ± 10% 50 HZ
Complete Machine Power Consumption	≤200 W

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